

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/763242

Source: 1FW

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# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 03/25/2005

PATENT APPLICATION: US/10/763,242

TIME: 14:07:29

Input Set : N:\Crf3\RULE60\10763242.raw

Output Set: N:\CRF4\03252005\J763242.raw

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1 <110> APPLICANT: Sasaki, Yukiko
2     Nagano, Yukio
3     Inaba, Takehito
4 <120> TITLE OF INVENTION: Light Repressible Promoter
5 <130> FILE REFERENCE: 46216
6 <140> CURRENT APPLICATION NUMBER: US/10/763,242
7 <141> CURRENT FILING DATE: 2004-01-26
8 <150> PRIOR APPLICATION NUMBER: US/09/700,187
9 <151> PRIOR FILING DATE: 2000-11-13
10 <150> PRIOR APPLICATION NUMBER: PCT/JP00/01269
11 <151> PRIOR FILING DATE: 2000-03-03
12 <160> NUMBER OF SEQ ID NOS: 40
13 <170> SOFTWARE: PatentIn ver. 2.0
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 12
17 <212> TYPE: DNA
18 <213> ORGANISM: Pisum sativum cv. Alaska
19 <220> FEATURE:
20 <223> OTHER INFORMATION: Nucleotide sequence for a core region of light repressible
21     promoter from the pea small GTPase gene
22 <400> SEQUENCE: 1
23     ggattttaca gt                                     12
25 <210> SEQ ID NO: 2
26 <211> LENGTH: 93
27 <212> TYPE: DNA
28 <213> ORGANISM: Pisum sativum cv. Alaska
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Nucleotide sequence for a cis element of light repressible
31     promoter from the pea small GTPase gene
32 <400> SEQUENCE: 2
33     aaaagtaaca catatTTTga taaatttatt actaaaacta ttttctagta cttgttaatc 60
34     atgtctgagg attttacagt aataaagaaa cga                                     93
36 <210> SEQ ID NO: 3
37 <211> LENGTH: 2325
38 <212> TYPE: DNA
39 <213> ORGANISM: pisum sativum cv. Alaska
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Nucleotide sequence for a light repressible promoter from the
42     pea small GTPase gene
43 <400> SEQUENCE: 3
44     aagcttttaaa ggcaagggaa agacaacaat tccaaaaata taaaaactcc taaagaatga 60
45     ttttattcctt atcttcataa ataacttttc ctattccaaa aacacatcaa agttatgtga 120
46     ttcatatcctt taattatctg ataatatata attgtatatt caatatttca tacaattgtg 180

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47      ttatatgaaa ttttttgtag gtaaaagga ctaagaataa cctccgcaac atcaaagtca 240
48      gaaacctctt gtaactcttc agttgaaacg agaaggaagt ggacaacaca gaaaactaag 300
49      ttccccact taacttcttg gtttggtga ggacttcctt tacaatttat actctaagga 360
50      aatacattag acactctaga tgggttgcac tagctcatat atttttaagt aataataccc 420
51      acttcaagtt ttttgttttt tgttgttgtg cagtagatga taagatggat cttttctcaa 480
52      ggcccttatg caaagacata agatccatat actccacca gattgcttta catctaacca 540
53      agttaatgaa tttaaattct tcgaaacaat tatttcctac caaaggaagt ttatatgcac 600
54      attttctaata gtatttttat atagaattga tacatgtttc tgttatataa gattagaatt 660
55      tggatttctc atccaaactc ctacacttgg tgagaaattt cagcctcaac ctcaagtaaat 720
56      caggttcctc cttcaaactc atacacttgg ttgagtgaaga attatggacg tcaacctagc 780
57      aatatgaatc cctctccaag atcctacact tatctgagtg agaatttttg tctctgacct 840
58      caacaagata gatttgatgg gtcatcaaga ggggaagcat tcacattggg tcaaagattc 900
59      acccaaaca gtgagagaga catcacatat caaccaaacc ctttaaggtga taggtgatg 960
60      agttctctta cttataaagt gtcacacctc cacttttcta agcaatgtgt gacttagaac 1020
61      tcacacttat ttctcaacat aactcacact tgtttatcaa caatctcccc cacaagtgtg 1080
62      agttcattcg ctatgtcccc ctcaagtgga atctctttca tccgcatgct tataccgttg 1140
63      ttgacataca tctttactcg tcatgggcac ttcaatggga cacgctgct gaccaccatg 1200
64      tcaagaagac ttttgacaca aggagtgggt cccttactcg aaccagactc tgataccatt 1260
65      aatagatcac tttgaatgga tatcatcact actatatcaa acatttacgt aaagataaaa 1320
66      aattcaccca aacaaatgag agagacacta catctctctt attatattaa taaaatgtaa 1380
67      agaaaaatat agtataaaag taacacatat tttgataaat ttattactaa aactattttc 1440
68      tagtacttgt taatcatgtc tgaggatttt acagtaataa agaaacgagg tagcccaaac 1500
69      aaaagtgata attgtggagg gtgtgatctt tgtcggtgca aaaaatgaaa ccccaaactt 1560
70      gtgatattgt gtcgactgct ccgctgctac attgaaatta atgaatgttc ttttataacg 1620
71      tttgtctatg ccgtattacc catatggta ctagaatggg acaatgaatt taatatatat 1680
72      ctgtcatgtg tgggtggatt caatttaatt gtatcgtaaa tggtaggaca tactcatgct 1740
73      acacaattat atcatcactg gtcaatcact ggtcaatgtg ttttctcttc ccatgaattc 1800
74      acattgctaa agaaaattac cacottaaaa tgtttatccc ttgcacacat ttcacatcaa 1860
75      tttattaaaa cattttacca ttggaaaaca catacatatt caatcaatta tttttgcatt 1920
76      ttcaaaaact aaaccaaaca aacttagaat attttgtaat tatagcacia ttttcaaaaa 1980
77      tatectagtc ttcaaccact caataattca caatttccaa atcccttgca aaacatcaca 2040
78      acctctagaa actttgatta ataatctaata aaaagcaata atatgatata taaacaatat 2100
79      caccatatat gttatgatat aatatgatgc agcaatacac ttaatttggt aaagcattaa 2160
80      agcgagacaa ctctattaac accggttaatt caacaaccgt tgttgtcgag ttcatgtttt 2220
81      cttccaactc ttttcttttt cctttacttt atttatttct cctacttacc ttttctacta 2280
82      atatatacta tctctcttga accttttttt gatottgaca agaaa 2325

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84 &lt;210&gt; SEQ ID NO: 4

85 &lt;211&gt; LENGTH: 30

86 &lt;212&gt; TYPE: DNA

87 &lt;213&gt; ORGANISM: Artificial Sequence

88 &lt;220&gt; FEATURE:

89 &lt;223&gt; OTHER INFORMATION: Primer used in Example 1

90 &lt;400&gt; SEQUENCE: 4

91 acggttggtg aattaccggt gttaatagag

30

93 &lt;210&gt; SEQ ID NO: 5

94 &lt;211&gt; LENGTH: 22

95 &lt;212&gt; TYPE: DNA

96 &lt;213&gt; ORGANISM: Artificial Sequence

97 &lt;220&gt; FEATURE:

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Input Set : N:\Cr3\RULE60\10763242.raw

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98 <223> OTHER INFORMATION: NcoI primer used in Example 3
99 <400> SEQUENCE: 5
100      ggtccatggt cttgtcaaga tc                                22
102 <210> SEQ ID NO: 6
103 <211> LENGTH: 21
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Primer used for preparing PL1 in Example 3
108 <400> SEQUENCE: 6
109      ggggaagcttt aaaggcaagg g                                21
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 23
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Primer used for preparing PL3 in Example 3
117 <400> SEQUENCE: 7
118      acgtaaagct taaaaattca ccc                                23
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 25
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Primer used for preparing PL4 in Example 3
126 <400> SEQUENCE: 8
127      aaataaagct taaaagtaac acata                                25
129 <210> SEQ ID NO: 9
130 <211> LENGTH: 27
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Primer used for preparing PL4B in Example 3
135 <400> SEQUENCE: 9
136      gtactgcagt cagacatgat taacaag                                27
138 <210> SEQ ID NO: 10
139 <211> LENGTH: 24
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Primer used for preparing PL5 in Example 3
144 <400> SEQUENCE: 10
145      aaagaagctt ggtagcccaa acaa                                24
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 30
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Primer used for preparing LS1 in Example 3

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153 <400> SEQUENCE: 11
154      aagcttctgc agggatttta cagtaataaa                30
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 35
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Primer used for preparing LS2 in Example 3
162 <400> SEQUENCE: 12
163      aagcttgtct gactgcagta cagtaataaa gaaac                35
165 <210> SEQ ID NO: 13
166 <211> LENGTH: 42
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Primer used for preparing LS3 in Example 3
171 <400> SEQUENCE: 13
172      aagcttgtct gaggatttct gcagaataaa gaaacgaggt ag                42
174 <210> SEQ ID NO: 14
175 <211> LENGTH: 48
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Primer used for preparing LS4 in Example 3
180 <400> SEQUENCE: 14
181      aagcttgtct gaggatttta cagtctgcag gaaacgaggt agcccaa                48
183 <210> SEQ ID NO: 15
184 <211> LENGTH: 52
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Primer used for preparing LS5 in Example 3
189 <400> SEQUENCE: 15
190      aagcttgtct gaggatttta cagtaataaa ctgcagaggt agcccaaaca ag                52
192 <210> SEQ ID NO: 16
193 <211> LENGTH: 30
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Primer used for preparing PL2 in Example 3
198 <400> SEQUENCE: 16
199      tcaatgggac acgctgctg accaccatgt                30
201 <210> SEQ ID NO: 17
202 <211> LENGTH: 31
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: pUC19 primer used in Example 3
207 <400> SEQUENCE: 17

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208      ggcgtaatca tggtcatagc tgtttcctgt g                               31
210 <210> SEQ ID NO: 18
211 <211> LENGTH: 30
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Primer used for preparing PL6 in Example 3
216 <400> SEQUENCE: 18
217      tgtcggtgca aaaaatgaaa ccccaaactt                               30
219 <210> SEQ ID NO: 19
220 <211> LENGTH: 30
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Primer used for preparing PL7 in Example 3
225 <400> SEQUENCE: 19
226      aatgtttatc ccttgacac atttcacatc                               30
228 <210> SEQ ID NO: 20
229 <211> LENGTH: 25
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Primer used for preparing PL8 in Example 3
234 <400> SEQUENCE: 20
235      gcaaaacatc acaacctcta gaaac                                     25
237 <210> SEQ ID NO: 21
238 <211> LENGTH: 39
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Primer used for preparing PL4c in Example 3
243 <400> SEQUENCE: 21
244      gtttggctgc agtcgtttct ttattactgt aaaatcctc                     39
246 <210> SEQ ID NO: 22
247 <211> LENGTH: 39
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Primer used for preparing PL4C in Example 3
252 <400> SEQUENCE: 22
253      caatactgca gtatatgtta tgatataata tgatgcagc                     39
255 <210> SEQ ID NO: 23
256 <211> LENGTH: 25
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: gF primer used for preparing gF1 in Example 3
261 <400> SEQUENCE: 23
262      tactgcagaa aagtaacaca tattt                                     25

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/763,242

DATE: 03/25/2005  
TIME: 14:07:30

Input Set : N:\Crf3\RULE60\10763242.raw  
Output Set: N:\CRF4\03252005\J763242.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 20  
Seq#:2; Line(s) 30  
Seq#:3; Line(s) 41

**VERIFICATION SUMMARY**

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Input Set : N:\Crf3\RULE60\10763242.raw

Output Set: N:\CRF4\03252005\J763242.raw